

هيئة التقييس لدول مجلس التعاون دول الخليج العربية

GCC STANDARDIZATION ORGANIZATION (GSO)

GSO 05/CD ...../2009

الشاي المثلج

**Iced tea**

Gulf standard

## **Iced tea**

### **1- Scope and field of application:**

This Gulf standard is concerned with the requirements must be set in iced tea (either in drink or powered form).

### **2- Complementary standards:**

2.1 GSO (9): 'Labelling of pre-packaged foodstuffs'.

2.1 GSO (21): ' Hygienic regulations of food plants and their personnel'.

2.3 GSO (150): ' Expiration periods of food products'.

2.4 GSO (382) : ' Maximum limits for pesticides residues in agricultural and food products – Part 1.

2.5 GSO (458): ' Wrapping paper and paper bags'.

2.6 GSO ( 671): ' Methods for test and examination of tea'.

2.7 GSO (839): ' Food packages – Part 1: General requirements'.

2.8 GSO (978 ) : ' Tea'.

2.9 GSO (988): ' Levels of radioactivity limits in food products – Part 1'.

2.10 GSO (1001); ' Methods of test for returnable glass containers used in bottling food products'.

2.11 GSO (1016); Microbiological criteria for food stuffs – Part 1'.

2.12 GSO (1025): ' Bottled drinking water'.

2.13 GSO/ISO (1839): ' Methods of sampling for tea'.

2.14 GSO/CAC (192): ' General standard for food additives'.

2.15 GSO/CAC (193): ' General standard for contaminants and toxins in foods'.

2.16 Gulf standard which the Organization shall be approved concerned with 'metal containers

Used in canning food products..

### **3- Definitions:**

In addition to the definitions mentioned in Gulf standard stated in item (2.8), the following shall be used:

3.1 Iced tea: Food product in drink or powder form prepared from tea extract of varieties of Species *Camellia Sinensis* either black, green or instant tea , with or without flavouring agents ( any aromatic vegetable parts such as lemon, peach, jasmine, apple, mint, herbs, spices...etc) Or its extracts or with flavoured agents and other permissible additives according ti Gulf Standard mentioned in item (2.14), and fruit juices or nectar, the drink mat be carbonated or non- carbonated, and may be sweetened or un-sweetened, the product served cool.

#### **4- Requirements:**

- 4 .1 Tea used in the production shall be complying with Gulf standard stated in item (2.8).
- 4.2 The production shall be carried out according to hygienic regulations mentioned in Gulf Standard stated in item (2.2).
- 4.3 Water used in the processing of iced tea in drink form shall be complying with the requirements mentioned in Gulf standard in item (2.13).
- 4.4 Sweetening materials used in sweetened product shall be from carbohydrates sugars ( sugar- Glucose-fructose-honey) and shall be complying with Gulf standard specific to each.
- 4.5 Aromatic vegetable parts used in the production shall be complying with Gulf standard Specific to each.
- 4.6 Additives used in the production shall be complying with Gulf standard stated in item (2.14).
- 4.7 The product shall be kept with the flavour distinguished its type.
- 4.8 The product shall be free from strange flavour except added flavour in the case of flavoured tea.
- 4.9 The product shall be easy to pour from the packet in the case of powdered iced tea.
- 4.10 The product shall be free from strange plant tissues in the case of powdered iced tea.
- 4.11 It is not allow to adding any colouring matters to the product.

- 4.12 Pressure of inert gas in the case of carbonated drink shall be ranged one bar.
- 4.13 Carbon dioxide used in carbonated drink shall be complying with Gulf standard which Organization shall be approved concerned with carbon dioxide for food industries.
- 4.14 Total sugars content in the case of sweetened product shall be ranged 6% by weight.
- 4.15 Total acidity content in the case of drink shall be ranged 3% calculated as anhydrous Citric acid.
- 4.16 Contaminated metallic elements content shall not exceed the contents mentioned in Gulf standard stated in item (2.15) .
- 4.17 Vitamin C (Ascorbic acid) content shall not be less than 100 mg/kg in the case of iced tea.
- 4.18 Pesticides residues in the product shall not exceed the limits declared in Gulf standard Stated in item (2.4) .
- 4.19 Without prejudice to what mentioned in Gulf standard stated in item (2.11), microbiological Requirements shall be as follows:
- 4.19.1 The product shall be free from pathogenic microorganisms.
- 4.19.2 The product shall be free from toxic substances produced from microorganisms.
- 4.19.3 The product shall be free from yeasts and moulds.
- 4.20 Radiological gevegs in the product shall not exceed the levels declared in Gulf standard Stated in item (2.9) .

## **5- Sampling:**

Samples shall be taken according to Gulf standard stated in item (2.13).

## **6- Methods of examination and test:**

Tests mentioned in Gulf standard stated in item (2.6) shall be carried out on the representative

Sample taken according to item (5), to determine its compliance with the items of this standard.

## **7- Packaging, transportation and storage:**

### **7.1 Packaging:**

7.1.1 Paper containers used in filling of powder product shall be complying with Gulf standards  
Stated in items (2.5),(2.7).

7.1.2 Returnable glass containers used in filling drink product shall pass the tests declared in  
Gulf standard stated in item (2.10) .

7.1.3 Metallic containers used in filling drink product shall be complying with Gulf standard  
Stated in item (2.15) .

7.1.4 Paper bags used in filling powdered product (tea bags) shall be made of suitable materials,  
Permit soluble solids of water to permit it outside the bag, these bags shall be packed in  
Packages made of firm paper.

### **7.2 Transportation:**

Containers of iced tea drink (metallic- glass) shall be transport in boxes made of plastic, wood  
Or any suitable material to protect the containers from broken or damage during transporta-  
Tion and handling, the boxes and transportation means shall not be contaminated with any  
Toxic, causting or harmful materials .

### **7.3 Storage:**

7.3.1 Iced tea (in drink or powered form) shall be stored in well ventilation places, dry, away from  
Moisture and contaminated sources and any materials having particular flavours .

7.3.2 Small iced tea packets ( tea bags) shall be kept in well sealed big containers.

## **8- Labelling:**

Without prejudice to what is mentioned in Gulf standards stated in items (2.1),(2.3), the

Following information shall be declared on each ice tea packets:

8.1 Iced tea type (black- green- instant).

8.2 Permissible additives.

8.3 Name of flavoured used in the case of iced flavoured tea (vegetable parts- flavoured agents- herbs- spices).

8.4 Word (effervescence, carbonated or gaseous) near product name in the case of iced Effervescence tea .

8.5 Word (sweetened) and kind of used sweetening materials in the case of ice sweetened tea.

8.6 Production and expiration dates, provided that the expiry period shall not exceed one year For drink product and two years for powdered product.

8.7 Statement (served cool).

8.8 The following shall be declared on returnable glass containers with non- removable method:

8.8.1 Product name.

8.8.2 Trade mark.

